

REMARKS

Claims 1-17 are pending. Claims 1, 7, 12, and 15 are independent claims.

Applicant respectfully submits that the pending claims, as amended, are patentable for at least the following reasons.

Claims 1-6 stand rejected under 35 U.S.C. 102(b) as being unpatentable over Nafeh (US 5,343,251).

On the merits, Applicant respectfully submits that the pending claims, as amended, are patentable for at least the following reasons.

Amended independent claim 1 now recites, inter alia, "...**dividing** each of the **video segments** into **sub-segments** using pre-selected multi-media characteristic..."

The support for this amendment can be found, at least, at page 5, lines 6-10, and at page 8, lines 3-13, wherein multi-media characteristics or cues that are characteristic of a given TV program type is initially selected, and used to segment and index TV programs, as shown in FIG. 2. For example, a higher percentage of key-frames per unit time is provided in commercials than a program segment, and that a higher amount of speech is provided in talk shows, etc.. These multi-media cues are used to generate genre classification for TV program sub-segments.

The amended base claim 1 provides significant advantages in classifying a particular type genre. The invention allows for a more accurate classification of a program using the multi-media cues as conventional EPG-based classification is not

accurate, and the genre classification a single program may change from segment to segment.

Nafeh, as read by applicant, relates to a method and apparatus for classifying patterns of television programs and commercials, based on learning and discerning of broadcast audio and video signals. Nafeh detects incoming program to detect whether a program or a commercial is received (Col. 6, lines 25-30).

Nafeh fails to teach, show or suggest that each of the video segments is divided into sub-segments using pre-selected multi-media characteristic, as specifically recited in amended claim 1.

It is well settled that a reference that does not teach or suggest all of the features of a claimed invention cannot anticipate that invention. Since Nafeh does not teach or suggest all of the features of amended independent claim 1, as recited above, applicant respectfully submits that these claims are allowable and patentable under 35 U.S.C. § 102.

Claims 7-17 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Nafeh in view of Maeda (US 6,580,679).

With regard to independent claims 7, 12 and 15, these claims recite subject matter similar to that recited in claim 1 and were rejected citing the same reference, Nafeh, used in rejecting claim 1 and further in view of Maeda. Thus, for the amendments made to these claims, which are similar to those made to claim 1 and for the remarks made in response to the rejection of claim 1, which are also applicable with regard to the rejection

of claims 7, 12, and 15, which are reasserted, as if in full, in response to the rejection of the these claims, applicant submits that the reason for the rejection has been overcome and respectfully requests withdrawal of the rejection.

The Office Action indicates that Naeh shows all features cited in independent claims 7, 12, and 15, but fails to disclose “performing genre-based indexing on the program using multi-media cues characteristic of a given genre of program. However, Maeda discloses the missing feature.

Madedda merely discloses a method of managing file regions on a recording medium, and fails to show or teach the step of “performing genre-based indexing on the program using pre-selected multi-media cues characteristic of a given genre of program,” as recited in the amended base claims.

Claims 2-6, 8-11, 13-14, and 16-17 in this application are each dependent from one or the other of independent claims discussed above and are, therefore, believed allowable and patentable under 35 U.S.C. § 102 and 103 for the same reasons.

A review of the other art of record has failed to reveal anything which, in the applicants’ opinion, would remedy the deficiencies of the art discussed above as referenced against the claims now present in this application. The claims are, therefore, believed patentable over the art of record.

For all the foregoing reasons, it is respectfully submitted that all the present claims are patentable in view of the cited references. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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